

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/978,299

Source: OIPK

Date Processed by STIC: 11/1/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/978,299

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOF

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ✓ Use of <220> Sequence(s) 157 missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

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Output Set: N:\CRF3\11012001\I978299.raw

3 <110> APPLICANT: Ashkenazi, Avi
4 Baker Kevin P.
5 Botstein, David
6 Desnoyers, Luc
7 Eaton, Dan
8 Ferrara, Napoleon
9 Filvaroff, Ellen
10 Fong, Sherman
11 Gao, Wei-Qiang
12 Gerber, Hanspeter
13 Gerritsen, Mary E.
14 Goddard, Audrey
15 Godowski, Paul J.
16 Grimaldi, J. Christopher
17 Gurney, Austin L.
18 Hillan, Kenneth J
19 Kljavin, Ivar J.
20 Kuo, Sophia S.
21 Napier, Mary A.
22 Pan, James;
23 Paoni, Nicholas F.
24 Roy, Margaret Ann
25 Shelton, David L.
26 Stewart, Timothy A.
27 Tumas, Daniel
28 Williams, P. Mickey
29 Wood, William I.
31 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
32 Acids Encoding the Same
34 <130> FILE REFERENCE: P2630P1C3
36 <140> CURRENT APPLICATION NUMBER: US/09/978,299
36 <141> CURRENT FILING DATE: 2001-10-15
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Does Not Comply
Corrected Diskette Needed

pp 4,6,7,9,11-13

OK

RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/978,299

DATE: 11/01/2001

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RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

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DATE: 11/01/2001

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TIME: 11:32:00

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/978,299

DATE: 11/01/2001

TIME: 11:32:00

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RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/978,299

DATE: 11/01/2001

TIME: 11:32:00


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502 <151> PRIOR FILING DATE: 2000-03-02
504 <150> PRIOR APPLICATION NUMBER: PCT/US00/07532
505 <151> PRIOR FILING DATE: 2000-03-21
507 <150> PRIOR APPLICATION NUMBER: PCT/US00/05004
508 <151> PRIOR FILING DATE: 2000-02-24
510 <150> PRIOR APPLICATION NUMBER: PCT/US00/06319
511 <151> PRIOR FILING DATE: 2000-03-10
513 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
514 <151> PRIOR FILING DATE: 2000-03-30
516 <150> PRIOR APPLICATION NUMBER: PCT/US00/13705
517 <151> PRIOR FILING DATE: 2000-05-17
519 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
520 <151> PRIOR FILING DATE: 2000-05-22
522 <150> PRIOR APPLICATION NUMBER: PCT/US00/14941
523 <151> PRIOR FILING DATE: 2000-05-30
525 <150> PRIOR APPLICATION NUMBER: PCT/US00/15264
526 <151> PRIOR FILING DATE: 2000-06-02
528 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710
529 <151> PRIOR FILING DATE: 2000-07-28
531 <150> PRIOR APPLICATION NUMBER: PCT/US00/23328
532 <151> PRIOR FILING DATE: 2000-08-24
534 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
535 <151> PRIOR FILING DATE: 2000-12-01
537 <150> PRIOR APPLICATION NUMBER: PCT/US00/34956
538 <151> PRIOR FILING DATE: 2000-12-20
540 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520
541 <151> PRIOR FILING DATE: 2001-02-28
543 <150> PRIOR APPLICATION NUMBER: PCT/US01/09552
544 <151> PRIOR FILING DATE: 2001-03-22
546 <150> PRIOR APPLICATION NUMBER: PCT/US01/17092
547 <151> PRIOR FILING DATE: 2001-05-25
549 <150> PRIOR APPLICATION NUMBER: PCT/US01/17800
550 <151> PRIOR FILING DATE: 2001-06-01
552 <150> PRIOR APPLICATION NUMBER: PCT/US01/19692
553 <151> PRIOR FILING DATE: 2001-06-20
555 <150> PRIOR APPLICATION NUMBER: PCT/US01/21066
556 <151> PRIOR FILING DATE: 2001-06-29
558 <150> PRIOR APPLICATION NUMBER: PCT/US01/21735
559 <151> PRIOR FILING DATE: 2001-07-09
561 <160> NUMBER OF SEQ ID NOS: 624

ERRORED SEQUENCES

1210 <210> SEQ ID NO: 19
1211 <211> LENGTH: 457
1212 <212> TYPE: PRT



RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

Input Set : N:\jumbos\sequence_listing_for_P2630PlC3.txt

Output Set: N:\CRF3\11012001\I978299.raw

1213 <213> ORGANISM: Homo sapiens

1215 <400> SEQUENCE: 19

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1216 Met Gly Ala Cys Leu Gly Ala Cys Ser Leu Leu Ser Cys Ala Ser
1217   1           5           10           15
1219 Cys Leu Cys Gly Ser Ala Pro Cys Ile Leu Cys Ser Cys Cys Pro
1220           20           25           30
1222 Ala Ser Arg Asn Ser Thr Val Ser Arg Leu Ile Phe Thr Phe Phe
1223           35           40           45
1225 Leu Phe Leu Gly Val Leu Val Ser Ile Ile Met Leu Ser Pro Gly
1226           50           55           60
1228 Val Glu Ser Gln Leu Tyr Lys Leu Pro Trp Val Cys Glu Glu Gly
1229           65           70           75
1231 Ala Gly Ile Pro Thr Val Leu Gln Gly His Ile Asp Cys Gly Ser
1232           80           85           90
1234 Leu Leu Gly Tyr Arg Ala Val Tyr Arg Met Cys Phe Ala Thr Ala
1235           95          100          105
1237 Ala Phe Phe Phe Phe Phe Thr Leu Leu Met Leu Cys Val Ser
1238          110          115          120
1240 Ser Ser Arg Asp Pro Arg Ala Ala Ile Gln Asn Gly Phe Trp Phe
1241          125          130          135
1243 Phe Lys Phe Leu Ile Leu Val Gly Leu Thr Val Gly Ala Phe Tyr
1244          140          145          150
1246 Ile Pro Asp Gly Ser Phe Thr Asn Ile Trp Phe Tyr Phe Gly Val
1247          155          160          165
1249 Val Gly Ser Phe Leu Phe Ile Leu Ile Gln Leu Val Leu Leu Ile
1250          170          175          180
1252 Asp Phe Ala His Ser Trp Asn Gln Arg Trp Leu Gly Lys Ala Glu
1253          185          190          195
1255 Glu Cys Asp Ser Arg Ala Trp Tyr Ala Gly Leu Phe Phe Phe Thr
1256          200          205          210
1258 Leu Leu Phe Tyr Leu Leu Ser Ile Ala Ala Val Ala Leu Met Phe
1259          215          220          225
1261 Met Tyr Tyr Thr Glu Pro Ser Gly Cys His Glu Gly Lys Val Phe
1262          230          235          240
1264 Ile Ser Leu Asn Leu Thr Phe Cys Val Cys Val Ser Ile Ala Ala
1265          245          250          255
1267 Val Leu Pro Lys Val Gln Asp Ala Gln Pro Asn Ser Gly Leu Leu
1268          260          265          270
1270 Gln Ala Ser Val Ile Thr Leu Tyr Thr Met Phe Val Thr Trp Ser
1271          275          280          285
1273 Ala Leu Ser Ser Ile Pro Glu Gln Lys Cys Asn Pro His Leu Pro
1274          290          295          300
1276 Thr Gln Leu Gly Asn Glu Thr Val Val Ala Gly Pro Glu Gly Tyr
1277 Delete 305 315 310 315 ← edit nos.
1279 Glu Thr Gln Trp Trp Asp Ala Pro Ser Ile Val Gly Leu Ile Ile
1280 320 325 330
1282 Phe Leu Leu Cys Thr Leu Phe Ile Ser Leu Arg Ser Ser Asp His
1283 335 340 345
1285 Arg Gln Val Asn Ser Leu Met Gln Thr Glu Glu Cys Pro Pro Met

```

RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

Input Set : N:\jumbos\sequence_listing_for_P2630P1C3.txt

Output Set: N:\CRF3\11012001\I978299.raw

E--> 1286 350 355 360
 1288 Leu Asp Ala Thr Gln Gln Gln Gln Gln Val Ala Ala Cys Glu
 E--> 1289 365 370 375
 1291 Gly Arg Ala Phe Asp Asn Glu Gln Asp Gly Val Thr Tyr Ser Tyr
 E--> 1292 380 385 390
 1294 Ser Phe Phe His Phe Cys Leu Val Leu Ala Ser Leu His Val Met
 E--> 1295 395 400 405
 1297 Met Thr Leu Thr Asn Trp Tyr Lys Pro Gly Glu Thr Arg Lys Met
 E--> 1298 410 415 420
 1300 Ile Ser Thr Trp Thr Ala Val Trp Val Lys Ile Cys Ala Ser Trp
 E--> 1301 425 430 435
 1303 Ala Gly Leu Leu Leu Tyr Leu Trp Thr Leu Val Ala Pro Leu Leu
 E--> 1304 440 445 450
 1306 Leu Arg Asn Arg Asp Phe Ser
 E--> 1307 455
 1448 <210> SEQ ID NO: 28
 1449 <211> LENGTH: 285
 1450 <212> TYPE: PRT
 1451 <213> ORGANISM: Homo sapiens
 1453 <400> SEQUENCE: 28
 1454 Met Glu Val Pro Pro Pro Ala Pro Arg Ser Phe Leu Cys Arg Ala
 1455 1 5 10 15
 1457 Leu Cys Leu Phe Pro Arg Val Phe Ala Ala Glu Ala Val Thr Ala
 1458 20 25 30
 1460 Asp Ser Glu Val Leu Glu Glu Arg Gln Lys Arg Leu Pro Tyr Val
 1461 35 40 45
 1463 Pro Glu Pro Tyr Tyr Pro Glu Ser Gly Trp Asp Arg Leu Arg Glu
 1464 50 55 60
 1466 Leu Phe Gly Lys Asp Glu Gln Gln Arg Ile Ser Lys Asp Leu Ala
 1467 65 70 75
 1469 Asn Ile Cys Lys Thr Ala Ala Thr Ala Gly Ile Ile Gly Trp Val
 1470 80 85 90
 1472 Tyr Gly Gly Ile Pro Ala Phe Ile His Ala Lys Gln Gln Tyr Ile
 1473 95 100 105
 1475 Glu Gln Ser Gln Ala Glu Ile Tyr His Asn Arg Phe Asp Ala Val
 1476 110 115 120
 1478 Gln Ser Ala His Arg Ala Ala Thr Arg Gly Phe Ile Arg Tyr Gly
 1479 125 130 135
 1481 Trp Arg Trp Gly Trp Arg Thr Ala Val Phe Val Thr Ile Phe Asn
 1482 140 145 150
 1484 Thr Val Asn Thr Ser Leu Asn Val Tyr Arg Asn Lys Asp Ala Leu
 1485 155 160 165
 1487 Ser His Phe Val Ile Ala Gly Ala Val Thr Gly Ser Leu Phe Arg
 1488 170 175 180
 1490 Ile Asn Val Gly Leu Arg Gly Leu Val Ala Gly Gly Ile Ile Gly
 1491 185 190 195
 1493 Ala Leu Leu Gly Thr Pro Val Gly Gly Leu Leu Met Ala Phe Gln
 1494 200 205 210
 1496 Lys Tyr Ala Gly Glu Thr Val Gln Glu Arg Lys Gln Lys Asp Arg

RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

Input Set : N:\jumbos\sequence_listing_for_P2630PlC3.txt

Output Set: N:\CRF3\11012001\I978299.raw

	1497		215		220		225
	1499	Lys Ala Leu His	Glu Leu Lys Leu Glu	Glu Trp Lys Gly Arg	Leu		
E-->	1500		230		235		240
E-->	1501	240 delete					
	1503	Gln Val Thr Glu	His Leu Pro Glu Lys	Ile Glu Ser Ser Leu	Arg		
E-->	1504		245		250		255
	1506	Glu Asp Glu Pro	Glu Asn Asp Ala Lys	Lys Ile Glu Ala Leu	Leu		
E-->	1507		260		265		270
	1509	Asn Leu Pro Arg	Asn Pro Ser Val Ile	Asp Lys Gln Asp Lys	Asp		
E-->	1510		275		280		285
	1603	<210> SEQ ID NO: 35					
	1604	<211> LENGTH: 1819 / 1791					
	1605	<212> TYPE: DNA					
	1606	<213> ORGANISM: Homo sapiens					
	1608	<400> SEQUENCE: 35					
	1609	gagccgccgc	cgcgcgcgcg	ccgcgcactg	cagccccagg	ccccggcccc	50
	1611	ccaccacagt	ctgcgttgct	gcccgcctg	ggccaggccc	caaaggcaag	100
	1613	gacaaagcag	ctgtcaggga	acctccgccg	gagtcgaatt	tacgtgcagc	150
	1615	tgccggcaac	cacaggttcc	aagatgggtt	gcgggggctt	cgcgtgttcc	200
	1617	aagaactgcc	tgtgcgccct	caacctgctt	tacaccttgg	ttagtctgct	250
	1619	gctaattgga	attgtcgcgt	ggggcattgg	cttcggggctg	attccagatc	300
	1621	tccgagtggg	cggcgtgggc	attgcagtgg	gcattctctt	gttctcgatt	350
	1623	gctttagtgg	gtctgattgg	agctgtaaaa	catcatcagg	tgttgctatt	400
	1625	tttttatatg	attattctgt	tacttgtatt	tattgttcag	ttttctgtat	450
	1627	cttgcgcttg	tttagccctg	aaccaggagc	aacagggtca	gcttctggag	500
	1629	gttggttgga	acaatacggc	aagtgtctga	aatgacatcc	agagaaatct	550
	1631	aaactgctgt	gggtccgaa	gtgttaaccc	aaatgacacc	tgtctggcta	600
	1633	gctgtgttaa	aagtgacac	tggtgctgc	catgtgctcc	aatcatagga	650
	1635	gaatatgctg	gagaggtttt	gagatttggt	ggtggcattg	gcctgttctt	700
E-->	1637	cagttttaca	gagataggaacc	750 722			
E-->	1639	agaaagaccc	ccgcgcgaat	cctagtgcatt	tcctttgatg	agaaaacaag	800
E-->	1641	gaagatttcc	tttcgtatta	tgatcttggt	cactttctgt	aattttctgt	850
E-->	1643	taagctccat	ttgccagttt	aaggaaggaa	acatatctg	gaaaagtacc	900
E-->	1645	ttattgatag	tggaaattata	tatttttact	ctatgtttct	ctacatgttt	950
E-->	1647	ttttctttcc	gttgctgaaa	aataatttgaa	acttgtggtc	tctgaagctc	1000
E-->	1649	ggtggcacct	ggaattttact	gtattcattg	tccgggactg	tccactgtgg	1050
E-->	1651	cctttcttag	catttttacc	tgcagaaaaa	ctttgtatgg	taccactgtg	1100
E-->	1653	ttggttatat	ggtgaatctg	aacgtacatc	tcactgggat	aattatatgt	1150
E-->	1655	agcactgtgc	tgtgtagata	gttcctactg	gaaaaagagt	ggaaatttat	1200
E-->	1657	taaaaatcaga	aagtatgaga	tcctgttatg	ttaaagggaaa	tccaaattcc	1250
E-->	1659	caattttttt	tggctttttt	aggaaagatt	gttggtggtaa	aaagtgttag	1300
E-->	1661	tataaaaaatg	ataattttact	tgtagtcttt	tatgattaca	ccaatgtatt	1350
E-->	1663	ctagaaaatag	ttatgtctta	ggaaattgtg	gtttaatttt	tgacttttac	1400
E-->	1665	aggtaaagtgc	aaaggagaag	tggtttcatg	aaatgttcta	atgtataata	1450
E-->	1667	acattttacct	tcagcctcca	tcagaatgga	acgagttttg	agtaatcagg	1500
E-->	1669	aagtatatct	atatgatctt	gatattgttt	tataataatt	tgaagtctaa	1550
E-->	1671	aaagatgcatt	ttttaaacaa	gttagtatta	atgcgtttgc	ccacgtagca	1600
E-->	1673	aaaagatat	tgattatctt	aaaaattgtt	aaataccgtt	ttcatgaaat	1650
E-->	1675	ttctcagtat	tgtatacagca	acttgtcaaa	cctaagcata	tttgaatatg	1700

FYI: non-coding
bases need to be
in groups of 10 bases

nos. off, as a
result of above error

RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,299

TIME: 11:32:00

Input Set : N:\jumbos\sequence_listing_for_P2630P1C3.txt

Output Set: N:\CRF3\11012001\I978299.raw

E--> 1677 atctccata atttgaaatt gaaatcgtat tgtgtggctc tgtatattct 1750
E--> 1679 gttaaaaaat taaaggacag aaacctttct ttgtgtatgc atgtttgaat 1800
E--> 1681 taaaagaaag taatggaag 1819

*hos. off**see next page for more errors*

09/978,299 13

<210> 157

<211> 412

<212> PRT

<213> Artificial

see item 11 on Ena Summary Sheet

<400> 157

Met Gly Leu His Leu Arg Pro Tyr Arg Val Gly Leu Leu Pro Asp
1 5 10 15

FYI

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/978,299

DATE: 11/01/2001

TIME: 11:32:05

Input Set : N:\jumbos\sequence_listing_for_P2630PlC3.txt

Output Set: N:\CRF3\11012001\I978299.raw

L:36 M:270 C: Current Application Number differs, Replaced Current Application No
 L:36 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:244 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
 L:370 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
 L:445 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
 L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:1012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:1277 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:19
 M:332 Repeated in SeqNo=19
 L:1500 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:28
 M:332 Repeated in SeqNo=28
 L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
 L:1555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
 L:1557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
 L:1637 M:254 E: No. of Bases conflict, LENGTH:Input:750 Counted:722 SEQ:35
 M:254 Repeated in SeqNo=35
 L:1681 M:252 E: No. of Seq. differs, <211>LENGTH:Input:1819 Found:1791 SEQ:35
 L:1742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
 L:1769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
 L:1806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
 L:1812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
 L:3383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
 L:3385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
 L:3387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
 L:3389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
 L:3397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
 L:3401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
 L:4956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117
 L:5051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118
 L:5053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/978,299

DATE: 11/01/2001

TIME: 11:32:05

Input Set : N:\jumbos\sequence_listing_for_P2630P1C3.txt

Output Set: N:\CRF3\11012001\I978299.raw

L:5757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137
L:5919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:5921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:6193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151
L:6197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151
L:6224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152
L:6226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152
L:6388 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:157
L:6390 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:6390 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:7714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:7720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:7730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:8725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215
L:10654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265
L:10656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265
L:10658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265